

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/090848 A2

(51) International Patent Classification⁷: F16L 11/08, 11/24

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/GB2005/000968

(22) International Filing Date: 15 March 2005 (15.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

| | | |
|-----------|--------------------------------|----|
| 0406084.4 | 18 March 2004 (18.03.2004) | GB |
| 0418084.0 | 13 August 2004 (13.08.2004) | GB |
| 0421508.3 | 28 September 2004 (28.09.2004) | GB |

(71) Applicant and

(72) Inventor: BELLAMY, Norman, West [GB/GB]; 95 St Martins Road, Coventry, Warwickshire CV3 6ES (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BELLAMY, Neil, Michael [GB/GB]; 95 St Martins Road, Coventry, Warwickshire CV3 6ES (GB).

(74) Agent: MARKS & CLERK; 144 New Walk, Leicester LE1 7JA (GB).

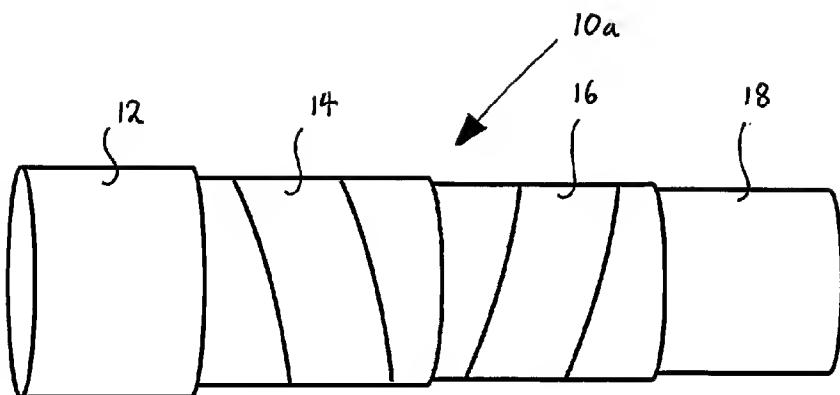
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A COMPOSITE PIPE LINING, A METHOD OF INSTALLING A COMPOSITE LINING, AND APPARATUS FOR INSTALLING A COMPOSITE LINING



WO 2005/090848 A2

(57) Abstract: A composite lining for a pipe comprising a structural layer for providing structural integrity and a containment layer for providing fluid impermeability. The structural layer comprising at least one strip of lining material arranged to form a substantially continuous lining within said pipe. A method for lining a pipe with said composite lining. A structure and method for testing the fluid integrity of said containment layer. Apparatus for installing said structural and containment layers in said pipe.